

### **IN THE CLAIMS:**

Please amend claims 1-6, 9, 12, 13, 15-22, 26-29, 31-33, 36, 39-41, and 45-51 and new claims 52-55 as follows.

1. (Currently Amended) A cellular receiver device, comprising: for receiving data from a data source, said cellular receiver device comprising:  
a cellular receiving means for enabling receiver configured to enable receipt of said data from a cellular network domain; and  
a radio broadcast access means for providing unit configured to provide conditional access to a digital radio broadcast data channel to enable receipt of said data via said digital radio broadcast data channel.

2. (Currently Amended) A receiver device according to claim 1, wherein said radio broadcast access ~~means~~ unit comprises at least one of a ciphering function and an access function for realizing said conditional access.

3. (Currently Amended) A receiver device according to claim 2, wherein said at least one of ~~aid~~ said ciphering and said access function is based on security parameters.

4. (Currently Amended) A receiver device according claim 1, wherein said radio broadcast access ~~means~~ unit ~~are~~ is configured to receive message objects belonging to a predetermined application identification which indicates said data.

5. (Currently Amended) A receiver device according to claim 4, wherein said radio broadcast access ~~means~~ unit ~~are~~ is configured to extract an unencrypted mobile subscriber identity from a received message object and to compare it the unencrypted mobile subscriber identity with a mobile subscriber identity of said radio broadcast access ~~means~~ unit.

6. (Currently Amended) A receiver device according to claim 5, wherein said radio broadcast access ~~means-unit is~~are configured to extract and decrypt said received message object in response to a comparison result.

7. (Original) A receiver device according to claim 6, wherein decryption of said received message is based on latest valid security parameters allocated to said mobile subscriber identity.

8. (Original) A receiver device according to claim 7, wherein said security parameters comprise at least one of a temporary ciphering key and a temporary identity.

9. (Currently Amended) A receiver device according to claim 4, wherein said radio broadcast access ~~means-unit are~~is configured to discard said received message object if said message object has already been received by said cellular ~~receiving~~meansreceiver.

10. (Original) A receiver device according to claim 4, wherein said message object is one of a Short Message Service message and a Multimedia Message Service message.

11. (Original) A receiver device according to claim 1, wherein said digital radio broadcast channel comprising one of a channel of a Digital Radio Mondiale system and a Digital Audio Broadcast system.

12. (Currently Amended) A receiver device according to claim 3, further comprising:

~~client means for setting~~ a client configured to set up a connection to a server ~~means~~  
via said cellular network domain so as to obtain new security parameters.

13. (Currently Amended) A receiver device according to claim 12, wherein said client ~~means~~ is configured to perform a setup each time a predetermined lifetime has elapsed.

14. (Original) A receiver device according to claim 12, wherein said client means comprises a SyncML client.

15. (Currently Amended) A receiver device according to claim 12, further comprising:

~~\_\_\_\_\_ register means for storing~~ a register configured to store said obtained security parameters.

16. (Currently Amended) A receiver device according to claim 12, wherein said client ~~means are~~ is configured to use initial security parameters for authentication during a connection setup.

17. (Currently Amended) A receiver device according to claim 12, wherein said client ~~means are~~ is configured to retry connection attempts at regular time intervals, if a previous connection setup has failed.

18. (Currently Amended) A receiver device according to claim 12, wherein said client ~~means are~~ is configured to delete said stored security parameters after a predetermined lifetime without successful connection attempts has passed.

19. (Currently Amended) A receiver device according to claim 1, wherein said radio broadcast access ~~means~~unit comprises a service client ~~means~~for enablingconfigured to enable access to at least one of IP services and email services via said radio broadcast data channel.

20. (Currently Amended) A server device, comprising: ~~for providing a data service to a mobile device, said server device comprising:~~

a gateway means ~~for receiving~~configured to receive data from an external data source and ~~for mapping~~to map a destination address of received data to a mobile subscriber identity; and

an adder configured to add ~~adding means~~ ~~for adding~~ said mobile subscriber identity to said received data, and ~~for putting~~to put said received data with said mobile subscriber identity to a data stream to be broadcast via a digital radio broadcast channel to provide data service to a mobile device.

21. (Currently Amended) A server device according to claim 20, further comprising:

a queuing means ~~unit configured to queue~~ ~~for queuing~~ said data stream with said received data in chronological order.

22. (Currently Amended) A server device according to claim 20, wherein said gateway ~~means~~ is configured to encrypt said received data using security parameters.

23. (Original) A server device according to claim 20, wherein said server device is configured to assign said mobile subscriber identity to a mobile device in response to a registration request.

24. (Original) A server device according to claim 23, wherein said server device is configured to assign a public user address in response to said registration request.

25. (Original) A server device according to claim 24, wherein said public user address comprises one of an IP address and an email address.

26. (Currently Amended) A server device according to claim 24, further comprising:

~~storing means~~ a storing unit configured to store ~~for storing~~ a table linking an assigned public user address to said assigned mobile subscriber identity.

27. (Currently Amended) A server device according to claim 21, further comprising:

~~deleting means for deleting~~ a deleting unit configured to delete said received data from a queued data stream in response to receipt of a recall request.

28. (Currently Amended) A server device according to claim 20, wherein said received data comprise an email content, wherein said ~~adding means~~ adder is configured to encapsulate said received email content into a radio broadcast packet, and wherein a message identity is added to a header of said radio broadcast packet.

29. (Currently Amended) A server device according to claim 20, wherein said received data comprise an IP packet, wherein said ~~adding means~~ adder is configured to encapsulate said received IP packet into a radio broadcast packet, and wherein a message identity is added to a header of said radio broadcast packet.

30. (Original) A server device according to claim 28, wherein said message identity is derived from a temporary mobile subscriber identity.

31. (Currently Amended) A server device according to claim 20, wherein said gateway ~~means-is~~are configured to reject said received data, if a predetermined maximum data size is exceeded.

32. (Currently Amended) A server device according to claim 20, further comprising:

a firewall means-unit configured to filter~~for filtering~~ said received data so as to adhere to predetermined subscription parameters.

33. (Currently Amended) A server device according to claim 20, further comprising:

a security server means-for enabling~~configured to enable~~ exchange of security parameters with a mobile device.

34. (Original) A server device according to claim 33, wherein said parameter exchange is based on a SyncML protocol.

35. (Original) A server device according to claim 33, wherein said security parameters comprise at least one of a mobile subscriber identity and a ciphering key.

36. (Currently Amended) A server device according to claim 33, further comprising:

a security database for storing~~configured to store~~ security parameters.

37. (Original) A server device according to claim 36, wherein said stored security parameters comprise initial security parameters and temporary security parameters.

38. (Original) A server device according to claim 37, wherein authentication for connection setup to said security server means is based on said initial security parameters.

39. (Currently Amended) A server device according to claim 37, wherein said security server ~~means~~ is configured to generate and store new temporary security parameters in response to a successful connection setup by said mobile device.

40. (Currently Amended) A server device according to claim 36, wherein said security server ~~means~~ is configured to delete said stored security parameters if a predetermined lifetime without successful connection setup has passed.

41. (Currently Amended) A gateway device ~~for providing~~ configured to provide a connection between a cellular network and a digital radio broadcast domain, ~~said gateway device being~~ configured to encrypt data received from said cellular network to be forwarded to a mobile device, and configured to forward said encrypted data to said digital radio broadcast domain based on a conditional access scheme.

42. (Original) A gateway device according to claim 41, wherein said conditional access scheme defines a predetermined offline time during which said mobile device has not been in a coverage area of said cellular network, and wherein data forwarding is started after expiry of said offline time.

43. (Original) A gateway device according to claim 41, wherein said gateway device is configured to trigger a recall request towards said digital radio broadcast domain if it is detected that said mobile device is in a coverage area of said cellular network.

44. (Original) A gateway device according to claim 43, wherein said gateway device is configured to detect, based on a subscriber database query, whether said mobile device is in the coverage area.

45. (Currently Amended) A system ~~for providing data services to mobile devices via a radio broadcast channel~~, said system comprising:

a cellular receiver device ~~for receiving~~configured to receive data from a data source, said cellular receiving device comprising a cellular receiving means for enabling receiver configured to enable receipt of said data from a cellular network domain, and a radio broadcast access means for providing~~unit configured to provide~~ conditional access to a digital radio broadcast data channel to enable receipt of said data via said digital radio broadcast data channel;

a server device ~~for providing~~configured to provide a data service to a mobile device, said server device comprising a gateway means for receivingconfigured to receive data from an external data source and for mapping a destination address of received data to a mobile subscriber identity, and an adding means for adding~~adder configured to add~~ said mobile subscriber identity to said received data, and ~~for putting to put~~ said received data with said mobile subscriber identity to a data stream to be broadcast via a digital radio broadcast channel; and

a gateway device ~~for providing~~configured to provide a connection between a cellular network and a digital radio broadcast domain, said gateway device being configured to encrypt data received from said cellular network to be forwarded to ~~a~~said



mobile device, and to forward said encrypted data to said digital radio broadcast domain based on a conditional access scheme.

46. (Currently Amended) A method ~~of transmitting data to a mobile device,~~  
~~said method comprising the steps of:~~

encrypting data to be forwarded; and

forwarding said data to a digital radio broadcast domain based on a conditional access scheme to transmit said data to a mobile device.

47. (Currently Amended) A method according to claim 46, ~~wherein further~~  
comprising:

defining by said conditional access scheme ~~defines a predetermined offline time~~  
during which said mobile device has not been in the coverage area of a cellular network;  
~~wherein; and~~

starting said data forwarding ~~is started~~ after expiry of said offline time.

48. (Currently Amended) A method ~~of receiving data at a mobile device,~~ said  
~~method comprising the step of:~~

providing a conditional access to a digital radio broadcast data channel to enable receipt of said data at a mobile device via said digital radio broadcast data channel; and receiving said data.

49. (Currently Amended) A method according to claim 48, ~~wherein further~~  
comprising:

providing said conditional access ~~is provided~~ by at least one of a ciphering function and an access function.

50. (Currently Amended) A computer program embodied on a computer readable medium, said computer program ~~controlling one of a server device and a gateway device to perform~~comprising the steps of:

encrypting data to be forwarded; and

forwarding said data to a digital radio broadcast domain based upon a conditional access scheme to control one of a server device and a gateway device.

51. (Currently Amended) A computer program embodied on a computer readable medium, said computer program ~~controlling a mobile device to transmit data by performing~~comprising the steps of:

providing a conditional access to a digital radio broadcast data channel to enable receipt of said data at a mobile device via said digital radio broadcast data channel; and receiving said data.

52. (New) A cellular receiver device, comprising:  
cellular receiving means for enabling receipt of data from a cellular network domain; and

radio broadcast access means for providing conditional access to a digital radio broadcast data channel to enable receipt of said data via said digital radio broadcast data channel.

53. (New) A server device, comprising:  
gateway means for receiving data from an external data source and for mapping a destination address of received data to a mobile subscriber identity; and  
adding means for adding said mobile subscriber identity to said received data, and for putting said received data with said mobile subscriber identity to a data stream to be broadcast via a digital radio broadcast channel to provide data service to a mobile device.

54. (New) A gateway device for providing a connection between a cellular network and a digital radio broadcast domain, for encrypting data received from said cellular network to be forwarded to a mobile device, and for forwarding said encrypted data to said digital radio broadcast domain based on a conditional access scheme.

55. (New) A system, comprising:  
cellular receiver means for receiving data from a data source, said cellular receiving means comprising cellular receiving means for enabling receipt of said data from a cellular network domain, and radio broadcast access means for providing conditional access to a digital radio broadcast data channel to enable receipt of said data via said digital radio broadcast data channel;

server means for providing a data service to a mobile device, said server means comprising gateway means for receiving data from an external data source and for mapping a destination address of received data to a mobile subscriber identity, and adding means for adding said mobile subscriber identity to said received data, and for putting said received data with said mobile subscriber identity to a data stream to be broadcast via a digital radio broadcast channel; and

gateway means for providing a connection between a cellular network and a digital radio broadcast domain, said gateway means being configured to encrypt data received from said cellular network to be forwarded to said mobile device, and to forward said encrypted data to said digital radio broadcast domain based on a conditional access scheme.